

10/507196

09 SEP 2004

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau(43) International Publication Date  
18 September 2003 (18.09.2003)

PCT

(10) International Publication Number  
WO 03/077558 A3

- (51) International Patent Classification<sup>7</sup>: H04N 7/173, G06F 17/30
- (21) International Application Number: PCT/IB03/00965
- (22) International Filing Date: 12 March 2003 (12.03.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
0205977.2 14 March 2002 (14.03.2002) GB  
0211203.5 15 May 2002 (15.05.2002) GB  
0229248.0 13 December 2002 (13.12.2002) GB
- (71) Applicant (for all designated States except US): KONINKLIJKE PHILIPS ELECTRONICS N.V. [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): HICKMAN, Andrew, J. [GB/GB]; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).
- (54) Agent: TURNER, Richard, C.; Internationaal Octrooibureau B.V., Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:  
— with international search report

[Continued on next page]

(54) Title: IMPROVED FINDING OF TV ANYTIME WEB SERVICES

http://example.com/inspection.wsdl

```
<?xml version="1.0" encoding="UTF-8"?>
<inspection xmlns="http://schemas.xmlsoap.org/ws/2001/10/inspection/"
  xmlns:wsilwsdl="http://schemas.xmlsoap.org/ws/2001/10/inspection/wsdl/">
  <service>
    <description referencedNamespace="http://schemas.xmlsoap.org/wsdl/"
      location="http://example.com/tva_services.wsdl">
      <wsilwsdl:reference endpoint="true">
        <wsilwsdl:referencedService xmlns:ns="http://example.com/tva">
          ns:TvaCookingService</wsilwsdl:referencedService>
        </wsilwsdl:reference>
      </description>
    </service>
    <service>
      <description referencedNamespace="http://schemas.xmlsoap.org/wsdl/"
        location="http://example.com/tva_services.wsdl">
        <wsilwsdl:reference endpoint="true">
          <wsilwsdl:referencedService xmlns:ns="http://example.com/tva">
            ns:TvaMovieService</wsilwsdl:referencedService>
          </wsilwsdl:reference>
        </description>
      </service>
      - References to other groups of TV Anytime services could be inserted here
    </inspection>
```

(57) Abstract: A method for finding TV Anytime web services comprises querying a known address, obtaining a file from the known address, the file having a predefined structure, and parsing the file to obtain URLs for TV Anytime web services. A server system for supplying the file via a network comprises receiving means for receiving the query at the known address, and supplying means for supplying the file in response to the query.

Best Available Copy

WO 03/077558 A3



— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

**(88) Date of publication of the international search report:**  
4 December 2003

## INTERNATIONAL SEARCH REPORT

Intern: A Application No

PCT/IB 00/00965

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H04N7/173 G06F17/30

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H04N G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	TV-ANYTIME: "Content Referencing - Specification Series: S-4" XP002220957 Retrieved from the Internet: <URL: http://www.tv-anytime.org/> 'retrieved on 2002-11-11! cited in the application the whole document	1,6,11, 14,17,18
Y	EP 1 182 590 A (IBM) 27 February 2002 (2002-02-27) abstract column 9, line 20 - line 24 column 2, line 13 - line 17 column 2, line 35 - line 38 column 4, line 39 - line 44 column 4, line 56 - column 5, line 3 column 5, line 31 - line 33 column 7, line 42 - line 49 --- -/--	1,6,11, 14,17,18

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

22 September 2003

Date of mailing of the international search report

09/10/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5618 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax (+31-70) 340-3016

Authorized officer

Dockhorn, H

## INTERNATIONAL SEARCH REPORT

Intern. Application No.  
PCT/IB 00/0965

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	UDDI: "UDDI Thecnical White Paper" 'Online! 6 September 2000 (2000-09-06) XP002255240 Retrieved from the Internet: <URL: www.uddi.org/pubs/Iru_UDDI_Technical_White _Paper.pdf> 'retrieved on 2003-09-22! the whole document	1,6,11, 14,17,18
A	MARTIJN KOSTER: "Robots in the Web: threat or treat?" April 1995 (1995-04) XP002255241 the whole document	1,4,11, 14,17,18

# INTERNATIONAL SEARCH REPORT

Internation No  
PCT/IB 00/0965

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 1182590 A	27-02-2002	EP 1182590 A2 JP 2002123528 A	27-02-2002 26-04-2002